

What is claimed is:

1. A recording method comprising:

2 designating a particular portion on a track as a representative portion of the track when  
3 recording or reproducing data to or from a recording medium including a plurality of tracks;  
4 and

5 recording reproduction related information, for reproducing the representative portion,  
6 to a predetermined area on the recording medium.

1 2. The recording method according to claim 1, wherein the reproduction related  
information comprises start time information and duration information for the representative  
3 portion.

1 3. The recording method according to claim 1, wherein the reproduction related  
information comprises start time information for the representative portion.

1 4. The recording method according to claim 3, wherein the reproduction related  
information further comprises duration information for the representative portion.

1 5. The recording method according to claim 1, wherein the reproduction related  
information is recorded on the recording medium using an entry point on the track for which  
3 the representative portion is designated in a digital versatile disc (DVD)-audio format.

1 6. The recording method according to claim 1, further comprising:

2 designating a particular portion on each of the plurality of tracks as a representative  
3 portion of a respective track;

4 storing playlist information comprising information for linking the respective tracks for  
5 which representative portions are designated to the predetermined area on the recording  
6 medium.

1           7. The recording method according to claim 1, wherein the recording method is  
2 applied to a recording medium including at least one audio track.

1           8. A method of reproducing data from a recording medium including a plurality of  
2 tracks, the recording medium on which representative portions for representing some or all  
3 tracks are designated and to which reproduction related information for reproducing the  
4 representative portions is recorded, the method comprising:

5           reading from the recording medium the reproduction related information of the  
6 representative portion requested to be reproduced and analyzing the reproduction related  
7 information; and

8           reproducing the representative portion requested to be reproduced based on the  
9 analyzed reproduction related information.

1           9. The method according to claim 8, wherein the reproducing of the representative  
2 portion comprises reproducing the representative portion starting from a position indicated by  
3 start time information included in the analyzed reproduction related information for a duration  
4 indicated by duration information included in the analyzed reproduction related information.

1           10. The method according to claim 8, wherein the reproducing of the representative  
2 portion comprises reproducing the representative portion starting from a position indicated by  
3 start time information included in the analyzed reproduction related information for a duration  
4 which has been previously set.

1           11. The method according to claim 8, wherein the reading from the recording  
2 medium comprises setting a mode of reproducing the representative portion of a single track  
3 displayed on a menu, wherein the representative portion of a selected track is reproduced in the  
4 reproducing of the representative portion where the mode is set.

1           12. The method according to claim 8, wherein the reading from the recording  
2 medium comprises setting a mode of reproducing the representative portions of all tracks

3 displayed on a menu, wherein the representative portions of all the tracks on the recording  
4 medium are reproduced in the reproducing of the representative portion where the mode is set.

1 13. The method according to claim 12, wherein in the reproducing of the  
2 representative portion, a predetermined portion of a track for which a representative portion is  
3 not designated on the recording medium is reproduced for a predetermined duration.

1 14. The method according to claim 8, wherein the reading from the recording  
2 medium comprises setting a mode of reproducing the representative portions of a plurality of  
3 tracks linked to a playlist displayed on a menu, the playlist comprising link information for  
4 linking the plurality of tracks, wherein the representative portions linked to the playlist are  
5 sequentially reproduced in the reproducing of the representative portion where the reproducing  
mode is set.

1 15. The method according to claim 14, wherein the reproducing of the  
2 representative portion comprises reproducing a predetermined portion of a track, for which a  
3 representative portion is not designated, among the tracks linked to the playlist for a  
predetermined duration.

1 16. A method of reproducing data from a recording medium storing a playlist  
2 comprising information for linking a plurality of tracks, the recording medium on which  
3 representative portions for representing some or all the tracks are designated and to which  
4 reproduction related information for reproducing the representative portions is recorded, the  
5 method comprising:

6 selecting a playlist and reading the reproduction related information of the  
7 representative portions of tracks linked to the selected playlist from the recording medium and  
8 analyzing the reproduction related information; and

9 reproducing the representative portions of the tracks linked to the playlist based on the  
10 analyzed reproduction related information.

1           17. The method according to claim 16, further comprising reproducing all the data  
2       from a current track through the last track linked to the playlist where a reproduction command  
3       is input and the representative portions of the tracks linked to the playlist are being  
4       reproduced.

1           18. The method according to claim 16, further comprising reproducing the data  
2       from all the tracks linked to the playlist where a reproduction command is input in the course  
3       of reproducing the representative portion of each of the tracks linked to the playlist.

1           19. A recording and reproducing apparatus including an encoder for encoding input  
2       data and recording encoded data to a recording medium and/or a decoder for decoding data  
3       read from the recording medium, the recording and reproducing apparatus comprising:  
4           3       3       3       3  
5           a system controller which generates reproduction related information for reproducing a  
6       representative portion of a track where data is being recorded to or reproduced from the  
7       recording medium including a plurality of tracks; and  
8           8       8       8  
9           a recording controller which records the reproduction related information to a  
10      predetermined area on the recording medium.

1           20. The recording and reproducing apparatus according to claim 19, wherein the  
2       reproduction related information comprises start time information and duration information for  
3       the representative portion.

1           21. The recording and reproducing apparatus according to claim 19, wherein the  
2       reproduction related information comprises start time information for the representative  
3       portion.

1           22. The recording and reproducing apparatus according to claim 21, wherein the  
2       reproduction related information further comprises duration information for the representative  
3       portion, the duration information being designated by the recording and reproducing apparatus.

1           23. The recording and reproducing apparatus according to claim 19, wherein the  
2 recording controller records the reproduction related information on the recording medium  
3 using an entry point on the track for which the representative portion is designated in a digital  
4 versatile disc (DVD)-audio format.

1           24. The recording and reproducing apparatus according to claim 19, wherein the  
2 track is an audio track.

1           25. An apparatus for reproducing data from a recording medium including a  
2 plurality of tracks, the recording medium on which representative portions for representing  
3 some or all tracks are designated and to which reproduction related information for  
4 reproducing the representative portions is recorded, the apparatus comprising:  
5           a system controller which reads the reproduction related information of the  
6 representative portion of a track request to be reproduced from the recording medium and  
7 analyzes the reproduction related information; and  
8           a reproduction processor which reads and reproduces the representative portion based  
9 on the analyzed reproduction related information.

1           26. The apparatus according to claim 25, wherein the reproduction processor  
2 reproduces data from the track, starting from a position indicated by representative portion  
3 start time information included in the analyzed reproduction related information for a duration  
4 indicated by representative portion duration information included in the analyzed reproduction  
5 related information.

1           27. The apparatus according to claim 25, wherein the reproduction processor  
2 reproduces data from the track, starting from a position indicated by representative portion  
3 start time information included in the analyzed reproduction related information for a duration  
4 which has been previously set.

1           28. The apparatus according to claim 25, further comprising a user interface unit  
2 which interfaces with the user using a menu, wherein a mode of reproducing the representative  
3 portion of a selected track is set through the menu and the reproduction processor reproduces  
4 the representative portion of the selected track.

1           29. The apparatus according to claim 25, further comprising a user interface unit  
2 which interfaces with the user using a menu, wherein a mode of reproducing the representative  
3 portions of all tracks on the recording medium is set through the menu and the reproduction  
4 processor reproduces the representative portions of all the tracks.

1           30. The apparatus according to claim 29, wherein the reproduction processor  
2 reproduces a predetermined portion of a track on which a representative portion is not  
3 designated on the recording medium for a predetermined duration.

1           31. The apparatus according to claim 29, further comprising a user interface unit for  
2 interfacing with the user using a menu, wherein a mode of reproducing the representative  
3 portions of a plurality of tracks linked to a desired playlist is set through the menu and the  
4 reproduction processor continuously reproduces the representative portions of all the tracks  
linked to the playlist.

1           32. The apparatus according to claim 31, wherein the reproduction processor  
2 reproduces a predetermined portion of a track, on which a representative portion is not  
3 designated, among the tracks linked to the playlist for a predetermined duration.

1           33. The apparatus according to claim 31, wherein the reproduction processor  
2 reproduces the data from a current track through the last track linked to the playlist where a  
3 reproduction command is input and the representative portions according to the playlist are  
4 being reproduced by the reproduction processor.

1           34. The apparatus according to claim 31, wherein the reproduction processor  
2 reproduces the data from all tracks linked to the playlist where a reproduction command is  
3 input and the representative portions according to the playlist are being reproduced by the  
4 reproduction processor.

1           35. A recording medium comprising:  
2           an area comprising a track to which data is recorded; and  
3           a predetermined area to which reproduction related information for reproducing a  
4 representative portion of the track designated is recorded.

1           36. The recording medium according to claim 35, wherein the reproduction related  
2 information comprises start time information and duration information for the representative  
3 portion.

1           37. The recording medium according to claim 35, wherein the reproduction related  
2 information comprises start time information for the representative portion.

1           38. The recording medium according to claim 35, the reproduction related  
2 information further comprises duration information for the representative portion.

1           39. The recording medium according to claim 35, wherein the reproduction related  
2 information is stored as an entry point information on the track for which the representative  
3 portion is designated in a digital versatile disc (DVD)-audio recording format.

1           40. The recording medium according to claim 35, further comprising a  
2 predetermined area to which playlist information is recorded, the playlist information  
3 comprising link information for linking a plurality of audio tracks on which representative  
4 portions are designated.

1           41. The recording medium according to claim 35, wherein the track is an audio  
2           track.

1           42. An audio product comprising:  
2           a recording medium;  
3           at least one audio selection recorded on the recording medium; and  
4           data recorded on the recording medium which identifies a starting point of a sample  
5           portion of the at least one audio selection.

1           43. The audio product according to claim 42, wherein the starting point data is  
2           recorded in a cell associated with the audio selection.

1           44. The audio product according to claim 43, wherein the starting point of the sample  
2           portion differs from a starting point of the audio selection.

1           45. The audio product according to claim 42, wherein the data recorded on the  
2           recording medium further comprises data which identifies an end point of the sample portion.

1           46. The audio product according to claim 45, wherein the ending point for the sample  
2           portion differs from an end point of the audio selection.

1           47. A method of making an audio product comprising:  
2           providing a recording medium;  
3           recording at least one audio selection on the recording medium in cells;  
4           identifying a starting point and an ending point of a sample portion of the audio  
5           selection; and  
6           recording data which designates the starting point and the ending point of the sample  
7           portion in a cell associated with the audio selection.

1           48. The audio product according to claim 47, wherein the starting point of the sample  
2       portion differs from a starting point of the audio selection.

1           49. The audio product according to claim 47, wherein the ending point of the sample  
2       portion differs from an ending point of the audio selection.

1           50. A method of reproducing audio data from a recording medium which includes data  
2       designating a starting point and a reproduction duration of a sample portion of the audio data,  
3       the method comprising:

4           reproducing the sample portion from the designated starting point and for a duration not  
5       exceeding the designated reproduction duration; and

6           initiating reproduction of the audio data, beginning at a starting point of the audio data,  
7       before expiration of the reproduction duration.

8           51. A method of reproducing an audio selection from a recording medium which  
9       includes a plurality of audio selections, wherein at least one of the plurality of audio selections  
10      includes data designating a respective starting point and a respective reproduction duration of a  
11      sample portion of a respective audio selection, the method comprising:

12           displaying a menu of the respective audio selections for which the designating data  
13       exists on the recording medium;

14           selecting one or more of the audio selections from the menu;

15           sequentially reproducing the sample portions corresponding to the selected audio  
16       selections for a duration not exceeding a respective reproduction duration, beginning the  
17       reproduction of each sample portion at the respective designated starting point; and

18           initiating reproduction of one of the selected audio selections from the beginning of the  
19       audio selection before expiration of the respective reproduction duration.

1           52. A method of reproducing audio data comprising:

2           providing a recording medium which includes a plurality of audio selections, wherein  
3           each of the plurality of audio selections includes data identifying an audio sample  
4           representative of the audio selection;

5           sequentially reproducing the audio samples corresponding to the audio selections,  
6           according to a reproduction sequence; and

7           initiating reproduction of one of the selected audio selections from the beginning of the  
8           initiated audio selection after reproduction of at least a portion of the audio sample  
9           corresponding to the initiated selection.

1           53. A recording medium comprising:

2           a plurality of tracks each having data recorded thereon; and

3           highlight information designating sample portions of the data of at least some of the  
4           tracks.

5           54. The recording medium according to claim 54, wherein the data of each of the  
6           tracks is audio data.